

03060107-030

(Beaverdam Creek)

General Description

Watershed 03060107-030 extends through Edgefield County and consists primarily of **Beaverdam Creek** and its tributaries. The watershed occupies 27,920 acres of the Piedmont region of South Carolina. The predominant soil types consist of an association of the Cecil-Tatum-Herndon-Georgeville series. The erodibility of the soil (K) averages 0.31, and the slope of the terrain averages 7%, with a range of 2-25%. Land use/land cover in the watershed includes: 81.7% forested land, 8.0% agricultural land, 6.0% barren land, 2.8% urban land, 0.8% forested wetland, 0.6% water, and 0.1% nonforested wetland.

Beaverdam Creek originates near the Town of Edgefield and accepts drainage from Slade Lake, Little Beaverdam Creek, Chap Branch, White Branch, Moss Branch, Camp Branch, and Red Hill Spring Branch. Beaverdam Creek drains into Turkey Creek. There are a total of 51.1 stream miles and 136.2 acres of lake waters within this watershed, all classified FW. The Sumter National Forest extends over the base of the watershed.

Surface Water Quality

<u>Station #</u>	<u>Type</u>	<u>Class</u>	<u>Description</u>
SV-068	S	FW	BEAVERDAM CREEK AT S-19-35, 3.8 MI NW OF EDGEFIELD
SV-353	W/BIO	FW	BEAVERDAM CREEK AT FOREST SERVICE RD 621 OFF S-19-68

Beaverdam Creek - There are two monitoring sites along Beaverdam Creek, and recreational uses are fully supported at **both sites**. Aquatic life use is fully supported at the upstream site (**SV-068**). There is a significant decreasing trend in pH. A significant decreasing trend in five-day biochemical oxygen demand suggests improving conditions for this parameter. At the downstream site (**SV-353**), aquatic life uses are fully supported based on macroinvertebrate community, physical, and chemical data.

NPDES Program

Active NPDES Facilities

<i>RECEIVING STREAM</i>	<i>NPDES#</i>
<i>FACILITY NAME</i>	<i>TYPE</i>
<i>PERMITTED FLOW @ PIPE (MGD)</i>	<i>COMMENT</i>
BEAVERDAM CREEK	SC0025330
ECW&SA/BROOKS AVE PLT	MINOR DOMESTIC
PIPE #: 001 FLOW: 0.725	
BEAVERDAM CREEK	SC0047813
FED PACIFIC ELECTRIC CO./ODELL DAM	MINOR INDUSTRIAL
PIPE #: 001 FLOW: 0.00325	
BEAVERDAM CREEK	SCG250156
DELTA APPAREL/RAINSFORD PLT.	MINOR INDUSTRIAL

Growth Potential

There is a low to moderate potential for growth in this watershed, which contains a portion of the Town of Edgefield. The Edgefield Industrial Park, located southeast of the Town of Edgefield, is supported by a rail system and serves as a source of potential industrial growth in the watershed. The Edgefield County Water and Sewer Authority's Regional Sewer Collection System now serves Edgefield County, and the Saluda County and the Town of Saluda where it connects to the sewer system of the City of North Augusta for final connection to the Horse Creek Valley WWTP. The Town of Edgefield has connected to the system, allowing for possible growth. A new federal prison and state prison have been constructed in Edgefield County, which should also increase growth. A third of the watershed resides within the Sumter National Forest and would tend to limit growth in that area.